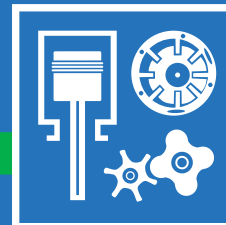


CPI®-4601 Series

Air Compressor Lubricants



Description

The **CPI®-4601** Series compressor lubricants are formulated using premium polyalphaolefin (PAO) synthetic base fluid, coupled with an unparalleled high performance additive package.

These compressor lubricants feature superior thermal and oxidation stability enabling them to operate over a wide range of temperatures without coking, deposit formation, or corrosion. The lubricants have low volatility and compatibility with mineral oil lubricants.

The **CPI®-4601** Series are non-toxic and accepted for use in food processing facilities where NSF H2 Certified products are permitted.

Applications and Compressor Type

- Oil flooded rotary screw compressors
- Liquid ring vacuum pumps
- Hydrocarbon process gas compressors
- Other applications requiring an oxidative and thermally resistant lubricant

Features and Benefits

Oxidatively stable

Longer system life

Low volatility

Reduced maintenance, reduced top-up

Corrosion protection

Enhanced system reliability and reduced down-time

Food grade certified

NSF H2 certified for use within food processing environments

Test Procedure	ASTM Test Method	CPI®-4601-46	CPI®-4601-68	CPI®-4601-100	CPI®-4601-150
ISO VG		46	68	100	150
Density, g/mL	D4052				
20.0°C		0.830	0.843	0.836	0.852
Water Content, ppm	D6304	20	7	30	27
Total Acid Number, mgKOH/g	D974	0.13	0.13	0.10	0.13
Flash and Fire Point,	D92				
Flash Point °C		268	268	271	268
Fire Point °C		279	271	287	277
Autoignition Temperature °C	E659	384	365	366	377
Kinematic Viscosity, cSt	D445				
40°C		43.9	64.2	97.5	148.7
100°C		7.5	10.2	14.0	19.9
Viscosity Index	D2270	138	145	145	154
Pour Point, °C	D97	-57	-54	-48	-45
Air Release	D3427				
mL		0.7	3.3	3.7	4.3
Conradson Carbon Residue	D189				
% Residue		0.001	0.000	0.000	0.000
Noack Volatility	D972				
% Loss		2.4	3.1	2.1	1.8
Rust Test	D665				
A - Distilled Water		Pass	Pass	Pass	Pass
B - Salt Water		Pass	Pass	-	-

This product is also available in other viscosities and in a variety of packages. Additional test data is available on request. Please contact CPI for more information.

CPI is a world leader in the synthetic lubricants industry with operations in North America, Europe, Africa and Asia Pacific regions.

In addition to our CPI®-4601 lubricants, we also offer a comprehensive range of Industrial Lubricants for Process gas, Hydrocarbon gas, Air Compressors, Vacuum Pumps, Hydraulics, Gears, Chains, Turbine, Landfill Gas, Field Gas, Chemical Process and many NSF H1 & H2 Food Grade applications.

We also offer lubricants for any refrigeration application including HFC, HCFC and HFO refrigerants, domestic and automotive air conditioning, commercial and industrial refrigeration and low Global Warming Potential (GWP) refrigerants such as Carbon Dioxide, other Hydrocarbons and Ammonia.

CPI is ISO 9001 and ISO 14001 accredited and also registered for the production of Halal, Kosher and Pareve products.

CPI Fluid Engineering
www.cpifluideng.com

